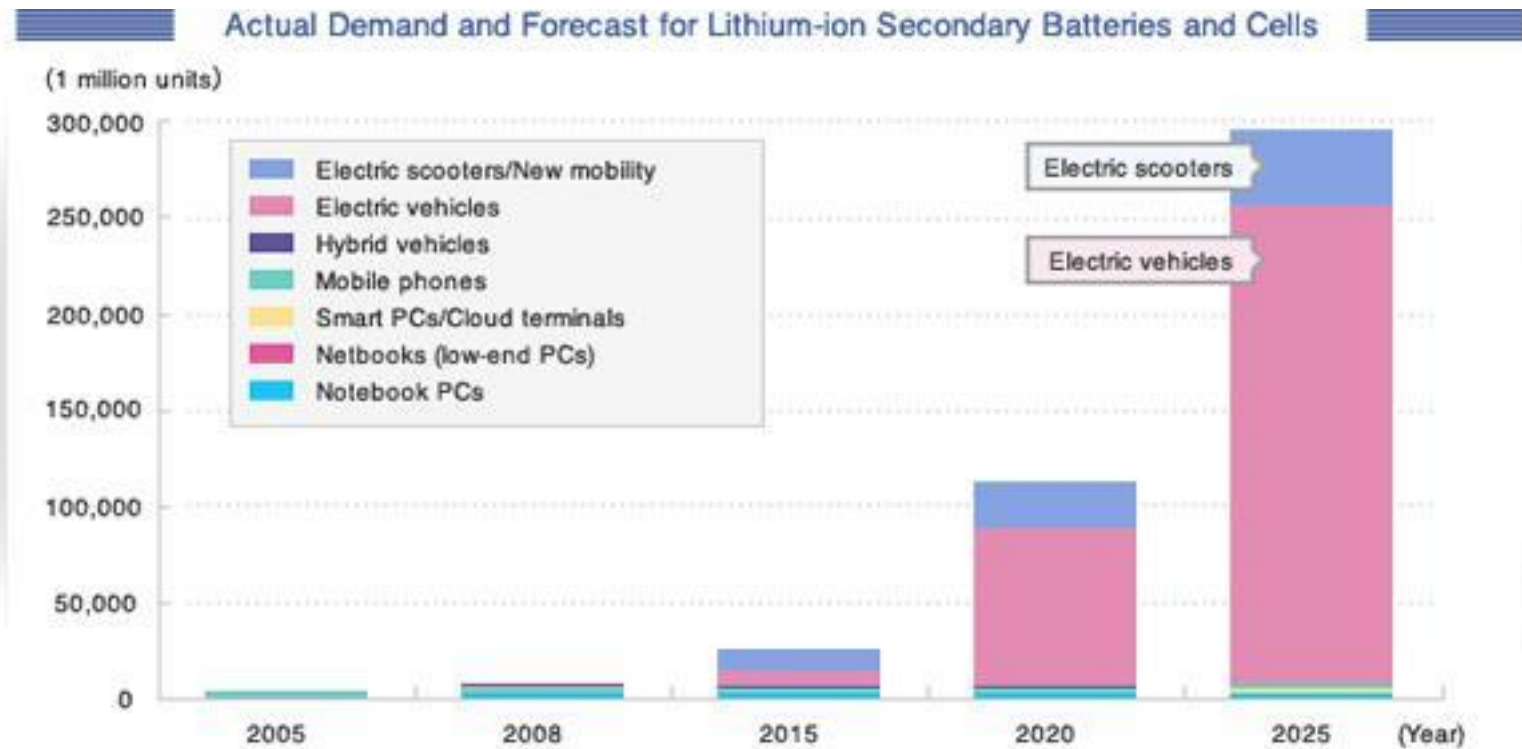


Welcome to DOE/OE Peer Review 2016

The innovative, integrated, intelligent, and international nature of current and developing research in electricity delivery

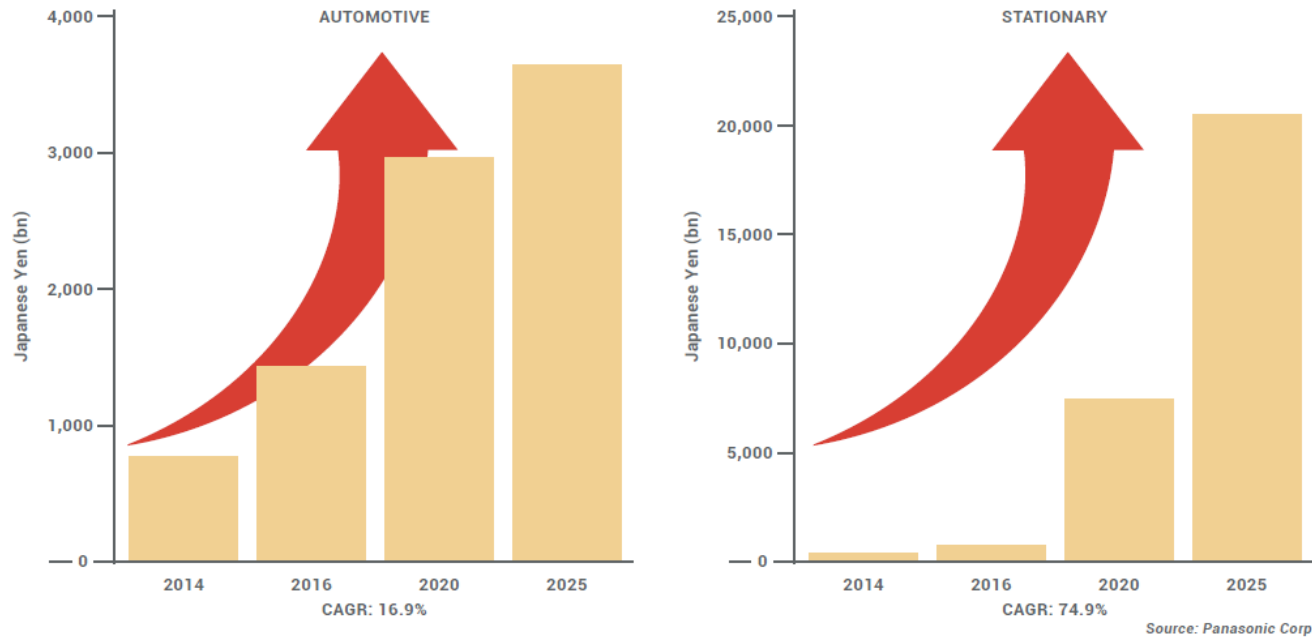
Where We Have Come From in ESS



Source: "Future Projection Report 2011-2025" issued by Nikkei BP Consulting, Inc.

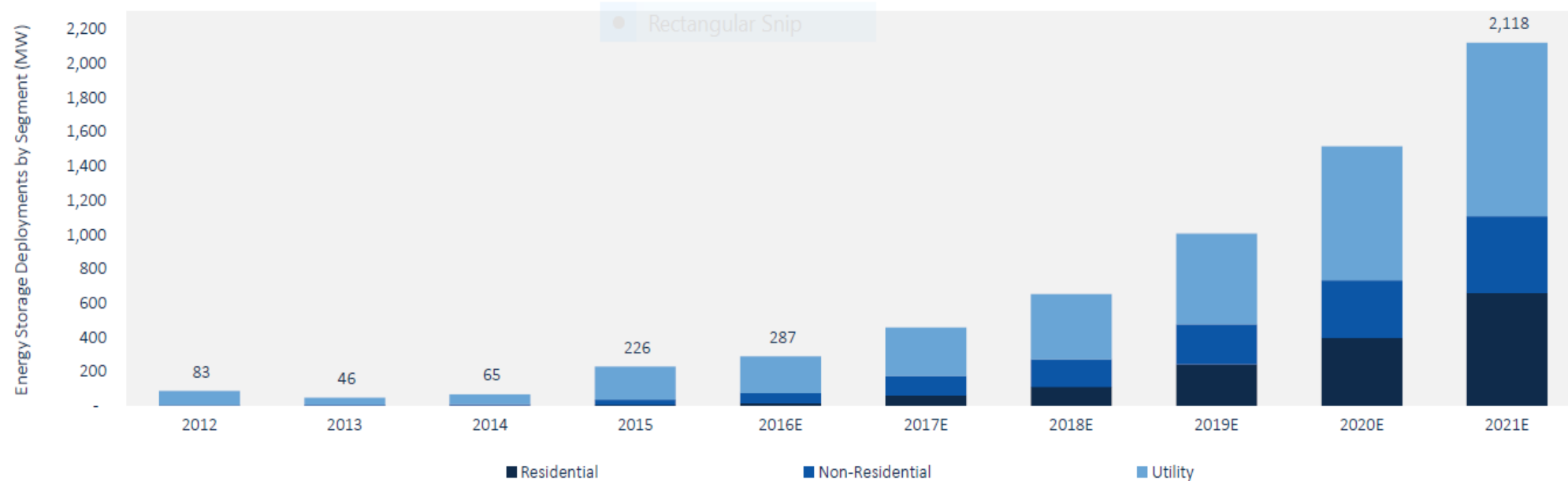
Expectations Today Are Quite Different

PANASONIC'S FORECASTED GROWTH IN LITHIUM-ION BATTERIES

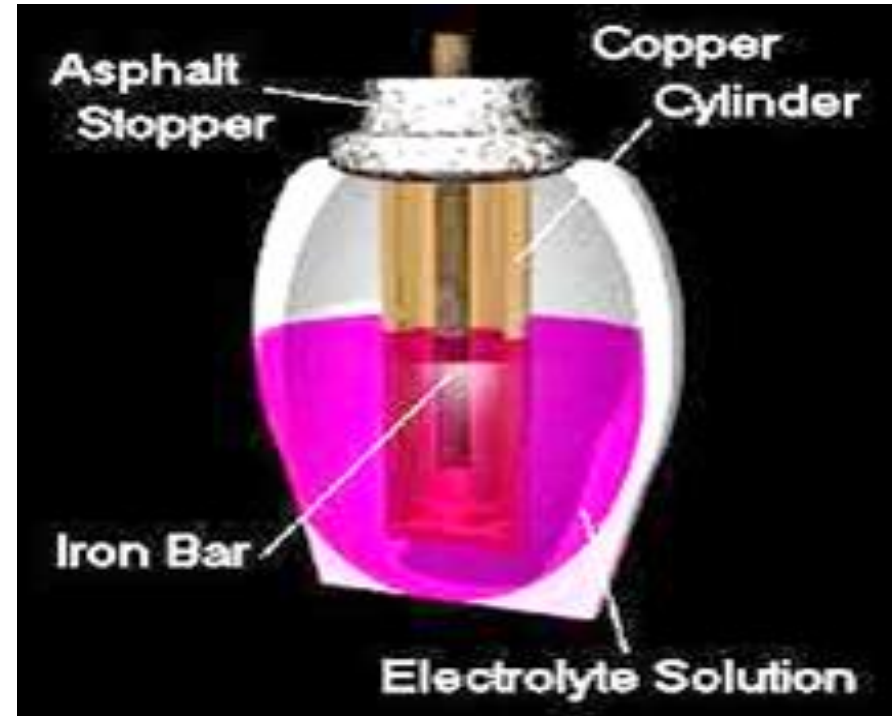


ESS Installations Planned Today Would Shock the Experts of Just 15 Years Ago

U.S. Annual Energy Storage Deployment Forecast, 2012-2021E (MW)



Source: GTM Research



The “**Baghdad Battery**” circa @ 224 A.D.

Moving Electrons Over Time



Dr. Imre Gyuk